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On modular approximation property in the Besicovitch-Orlicz space of almost periodic functions

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Abstract: We investigate some convergence questions in the class of Besicovitch-Orlicz spaces of vector valued functions. Next, the existence problem of the projection operator on closed convex subsets is considered in the class of almost periodic functions. This problem was considered in [5], in the case of an Orlicz space. The approximation property obtained in both cases are of the same kind. However, the arguments which are used in the proofs are different.

Keywords: modular approximation, Besicovitch-Orlicz space, almost periodic functions

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